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state, together with six plates illustrating characteristic fossils of the various formations. A new and well-executed geological and soil map of the state is also included. Part II gives an account of the exhibits made by the Survey at recent expositions. The remaining half of the volume comprises reports on highways and highway construction, and an historical account of the counties and election districts.

H. H.

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*Congrès géologique international.* Compte rendu de la dixième session, Mexico, 1906. Imprenta y fototipia de la Secretaria de Fomento, Mexico, 1907.

The report of this session is in two large volumes, containing 1,350 pages and 52 plates. Besides the lists of members, minutes of the meetings, accounts of the excursions taken, etc., 46 papers communicated to the Congress are printed in full. The chief topics discussed are those relating to earthquake and volcanic phenomena and to geological climates. Those relating to the latter subject are: "Interglacial Periods in Canada," by A. P. Coleman; "Glaciation in Lower Cambrian Time" and "Conditions of Climate at Different Geological Epochs," by T. W. E. David; "Ueber die Klima-Aenderungen der geologischen Vergangenheit," by F. Frech; "Climatic Variations," by J. W. Gregory; "The Causes of the Glacial Epoch," by E. W. Hilgard; "Le climate de l'Afrique du Nord pendant le Pliocène supérieur et le Pleistocène," by L. de Lamothe; and "Climats des temps géologiques," by M. Manson. Among the papers on ore deposits may be mentioned: "Ore Deposits at the Contacts of Intrusive Rocks and Limestones," by J. F. Kemp; "The Relation of Ore-Deposition to Physical Conditions," by W. Lindgren; and "Some Relations of Paleogeography to Ore Deposition," by H. F. Bain.

H. H.

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*Water Resources of the East St. Louis District.* By ISAIAH BOWMAN AND CHESTER A. REEDS. Illinois State Geological Survey, Bulletin No. 5. Urbana, 1907.

This publication of the young and vigorous Illinois Geological Survey will prove of great value to the numerous manufacturing interests of a district which, though in close proximity to the Mississippi River, has always found the problem of an adequate water supply a difficult one.

H. H.